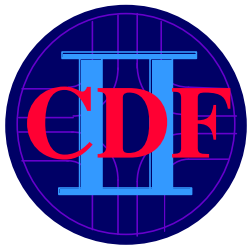


CDF Operations

Steve Hahn
CDF Meeting
04/03/2003

Store	Start	Stop	Hours	Delivered Luminosity	Live Luminosity	Efficiency	Good Run	Good Run with Silicon	Runs Taken During Store
2361	2003.03.27-18:37	2003.03.28-07:39	13.0	591.7	527.1	89.1%	527.1	527.1	160659 160663
2370	2003.03.29-11:47	2003.03.30-07:20	19.6	1211.0	699.6	57.8%	682.8	682.8	160742 160761
2375	2003.03.31-01:25	2003.03.31-12:50	11.4	575.2	483.2	84.0%	433.1	433.1	160796 160797 160798 160802
2377	2003.03.31-15:51	2003.04.01-07:52	16.0	1008.6	924.3	91.6%	924.3	924.3	160823
2385	2003.04.02-10:58	2003.04.03-09:35	22.6	1511.4	1184.4	78.4%	986.0	986.0	160887 160890 160891 160892 160894 160895 160896



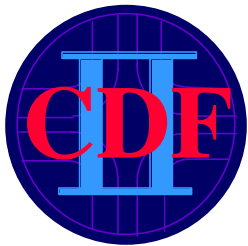
CDF Operations

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04/03/2003

- Thursday-Friday:
 - Store 2361
 - In at 1830 @ initial lum = 1.8×10^{31} .
 - Lost some efficiency to TOF threshold studies.
 - Beam lost due to D0 low- β quad; only CMX trip at CDF.
- Friday:
 - Access from 0800 to 1000 to work on muons calorimeter TDCs.
 - Power outage at 1030—due to uninterruptable power supply interruption—to APACS chassis generated every alarm in MCS bringing down all detector, HV and rack power. Many APACS modules required multiple reboots to come back to life. DAQ was usable at 1600.
- Lingering problems through weekend and even Monday. Running solenoid using the accelerator helium header instead of our compressor. We accessed from 1630 to 1800 to fix TSU BSU SVX. Coincidentally, D0 had calorimeter preamp fan problem which put them in access until 2300.



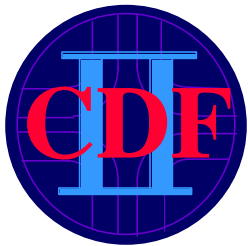
Monitoring ace's
worst nightmare



CDF Operations

Steve Hahn
CDF Meeting
04/03/2003

- Saturday-Sunday:
 - Beam studies Sat owl for damper and coalescing problems.
 - Store 2370:
 - Magnet was still not fully up when beam was in.
 - High loss: ~3hour before Si in
 - High muon trigger rate (power cycled crate)
- Sunday:
 - Store 2372
 - Initial lum = 0.5×10^{30} when pbars mostly lost due to seperator spark.
 - Following studies could not reproduce this problem
 - Store in only 1/2 hour
- Monday:
 - Store 2375
 - Initial lum = 20.5×10^{30} (not bad for stack = 100 mA)
 - Smooth data taking with Si
 - End of store Trigger table tests (L3 SVX, L2 DPS)



CDF Operations

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- Monday-Tuesday:
 - Store 2377
 - Initial lum = 20.5×10^{30} (not bad for staxk = 100 mA)
 - Smooth data taking with Si
 - >90% store efficiency (no Tests)
- Tuesday:
 - 24 hours of “maintenance” shifts starting at 0800 to smooth beam orbits.
 - After switching solenoid back to our compressor, solenoid fast dumped while ramping up. Called Rob back from fishing, found that evening bad dump chassis. Bad relays replaced Wednesday morning and magnet ramped up.
- Wednesday-Thursday:
 - Store 2385.
 - Was to be dropped at 0600, but linac to booster protons down by 2X.
 - “Paraphase curve module” swapped out.
 - Done XFT, XTRP, and trigger studies while this was fixed till 1100.